

**Development of Sway Angle Measurement System**

by

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Dissertation report submitted in partial fulfilment of the requirements for the  
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CERTIFICATION OF APPROVAL

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Approved by,

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January 2009

## CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgements, and that the original work contained herein have not been undertaken or done by unspecified sources or persons.

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WAN MOHD AIZUDDIN BIN WAN DOSHAH

## **ABSTRACT**

Sway load control system is an important technology in the crane transportation industries. Researchers have developed these systems in order to increase crane transportation efficiency. However, a major problem in the research and development of the sway load control system is in providing a quick and accurate feedback on the sway angle. The objective of this project is to develop an effective way in the load sway angle measurement. To achieve the objective, several possible design alternatives will be studied. The project will go through into research, designing the system and possibly demonstrate an experiment in the laboratory for validity of the system. Finally, the best design alternative will be recommended.

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